

Dependable Quality

Vexos achieves the highest quality levels by utilizing the latest equipment, processes, quality standards and certifications across the organization; as well as a problem prevention methodology to enable a flawless launch of each individual program.

- Rigorous selection of sub-contractors or partner factories
- Performance evaluation and monitoring through regular audits of the factories
- Continuous training for personnel at all levels
- Document control to safeguard your data and release of technical documents
- Sample approval process including production part approval process (PPAP)

Certifications

- ISO 9001:2015
- ISO 13485:2016
- ISO 14001:2004
- FDA certification
- OHSAS 18001:2007
- RoHS and Non-RoHS
- TS 16949:2016

Industries We Serve



MEDICAL



AUTOMOTIVE



GPS / RF



DISPLAY TECHNOLOGY



INDUSTRIAL



LIGHTING



OTHER

vexos.com | 855-711-3227

Locations

Canada

MARKHAM, ONTARIO, CANADA

MANUFACTURING FACILITY
195 Royal Crest Court
Markham, Ontario, Canada L3R 9X6
+1 905-479-6203
1-800-965-4446

USA

LAGRANGE, OHIO, USA

MANUFACTURING FACILITY
110 Commerce Drive
LaGrange, OH 44050, USA
+1 440-284-2500

Europe

NÜRNBERG, BAVARIA, GERMANY

SALES / CUSTOMER SERVICE
Fürther Str. 27, 90429
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+49 911 28 70 70 82

Asia

DONGGUAN, GUANDONG, CHINA

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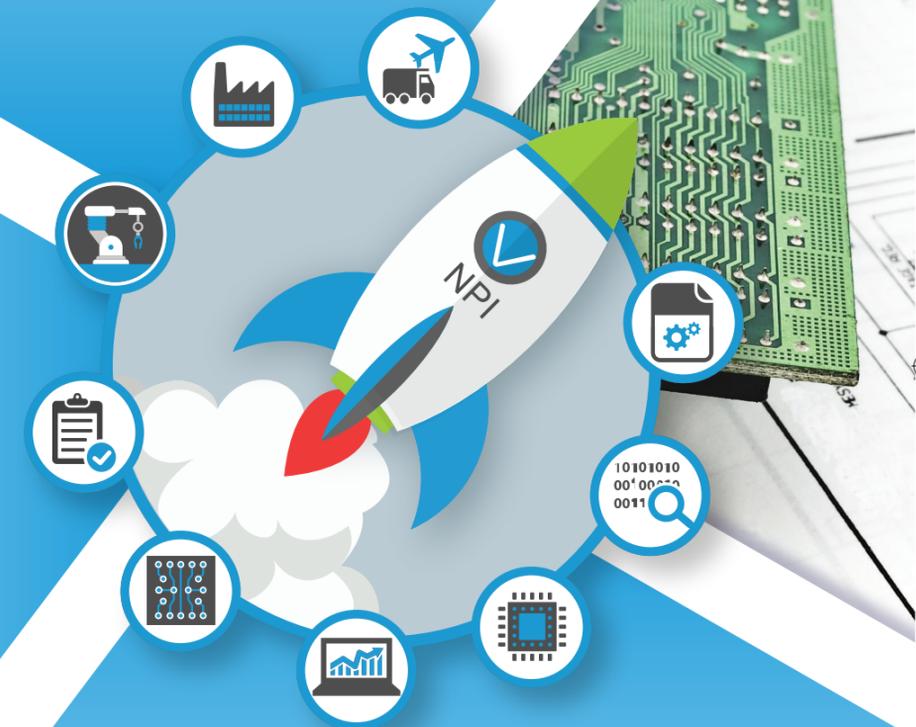
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New Product Introduction & Electronics Prototyping

- DESIGN SERVICES
- VALUE ENGINEERING SERVICES
- PROJECT MANAGEMENT
- COMPLETE MANUFACTURING SOLUTIONS



VEXOS
Local Service. Global Capabilities.

NEW PRODUCT INTRODUCTION & ELECTRONICS PROTOTYPING

FROM PROTOTYPING TO FINISHED PRODUCT: PROVIDING EXPERIENCE AND KNOWLEDGE TO THE NEW PRODUCT INTRODUCTION PROCESS

While some contract electronics manufacturers outsource engineering services or confine them to an individual department, Vexos Manufacturing Solutions embeds them into our entire proprietary [New Product Introduction \(NPI\)](#) process, which is covered by our global ISO9001 and ISO13485 certifications. Every day Vexos' engineers from our manufacturing facilities, developing on new products with our customers in different stages of the engineering, design and prototyping process.

Our [New Product Introduction Process](#) is much more than prototyping, tooling, global component sourcing and manufacturing. We recommend electronics test development strategy and processes from system level assembly development to final, real-world durability and reliability testing. We offer our customers the very latest in testing processes and equipment, from environmental and heat testing, to functional test and development programs. By taking ownership of the new product introduction process, Vexos enables customers to deliver products to market faster and with added value engineered into the design and manufacturing process.

DESIGN SERVICES - PROTOTYPING SUPPORT

Whether you have design schematics or not, VEXOS can help you with this critical first step. If you already have design schematics, we can review them specifically with an eye toward DFM/DFA/DFT, catching potential issues early in the manufacturing process before they cost you valuable time and money. If you need assistance with design schematics, our expert consulting Design Engineers (available based on your project's requirements) will collaborate with your Engineers to create schematics and PCB layouts (including Gerber files and BOM) to your specifications — incorporating DFM/DFA/DFT principles throughout the process.

ENGINEERING SERVICES - VALUE ENGINEERING (DFX) & FEEDBACK

With over 25 years of electronic manufacturing experience, VEXOS is acutely aware of the impact a well-designed PCBA can have on the near- and long-term costs associated with the building and testing of your PCBA as well as your final product's speed to market. Our Design for Excellence (DFx) review process provides DFSC/DFF/DFA/DFT/DFM improvement recommendations to your Engineering team throughout the entire "concept to completion" process.

- **Pre-Build**
 - Perform a forensic BOM review analysis which focuses on material sourcing, AML, compliance, supply and life-cycle as part of the Design for Supply Chain (DFSC) process
 - Improved PCB yield and cost with Design for Fabrication (DFF) reviews
 - Improved Assembly yield and reduced labor content with Design for Assembly (DFA)
 - Improved Coverage and Final yield, reduced RMA and field failures with Design for Test (DFT)
 - Reduced engineering development and resources, improved time to market (Test Development)
 - Improved Production Stability and Predictability with Design for Manufacturability (DFM)
- **Post Build**
 - Continuous Improvement (Post-DFM, ROI)

PROACTIVE MANAGEMENT SERVICES - PROJECT MANAGEMENT

Among several things that makes VEXOS unique, is the way we manage your project. We assign a team of the best resources using proven processes and tools to manage your project from start to finish:

- Our complete understanding of your technical and business requirements for the project.
- Well defined and agreed upon project logistics including meeting frequency/ time(s), project plans and the most appropriate communication vehicles.
- A dedicated "[Customer Focus Team](#)" of professionals including: NPI Team Lead, Program Manager, Production Manager, Process Engineer, Test Engineer, Documentation Control and Quality Assurance Engineer.

ADVANCED MANUFACTURING SOLUTIONS

PCBA QUALITY & RELIABILITY

We have over 25 years of experience building highly complex assemblies...fast. The trademark of our business is our structured "[Flexibility](#)" launch processes which allows us to manage your project according to ISO standards while dynamically providing the necessary feedback to your Engineers that will validate, cost reduce and simplify future production of your design. Our prototype assembly process provides:

- A 100% PCB inspection and component validation that ensures quality parts are used in the production process.
- Incorporation of Lean manufacturing principles for streamlined, quick-turn production.
- Dedicated resources and equipment for uninterrupted production that allows us to meet your schedule.
- VEXOS 's Design for Excellence (DFx) process that incorporates DFSC/DFF/DFA/DFM/DFT analysis and feedback during the build.

PCBA INSPECTION / TESTING

VEXOS inspects 100% of our PCBA builds ensuring that you receive working product on-time, the first time and every time.

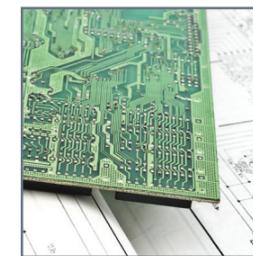
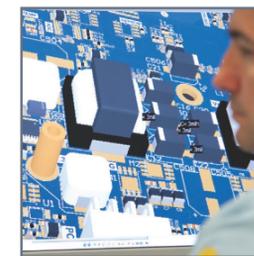
Our testing capabilities include:

- Automated Optical Inspection (AOI) is also leveraged providing an extra level of diagnostic confidence.
- X-ray and visual inspection that ensure that the boards are free of voids, shorts, missing or misplaced parts, etc.
- All issues are logged in our MES system, tracked, and directly communicated to the Customer.
- Other Test platform available; Flying Probe, ICT Functional, Hi-pot, Radio Frequency and Thermal.

MANUFACTURING READINESS / TRANSITION TO PRODUCTION

Unlike most NPI and Prototype specialty shops, VEXOS is also a high mix, low-to-medium volume PCB assembly, electromechanical assembly and box build assembler. Our ability to manage your project from concept-to-completion provides you with some very significant advantages including:

- Final enhancement recommendations are incorporated into the board design and knowledge transfer of learned best practices are passed from the NPI Team to the Production Team.
- Manpower and capital costs for full-scale production (including tooling and test fixtures) are already accounted for.
- Support for a pre-production pilot build to validate assumptions, perform time studies and confirm production readiness.
- Familiarity with the project during the NPI stages that allows for a rapid and smooth transition into full-scale production to meet both initial product introduction time-line and long-term volume commitments.



NEW PRODUCT INTRODUCTION LAUNCH & TRANSFER PROCESS

